

Richard Genthner

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Summary

Geek with roots in the open source since 1996, an entrepreneurial mindset and a passion for delivering value by developing maintainable infrastructure.

Experienced in DevOps management and custom Web Application development. I focus on the scalability of infrastructure and web applications from the archi-

ture side. I have helped multiple organizations go from 100,000 users a month to 500 million monthly active users. I have written custom web services for U.S. government projects to consulting firms. There's nothing I'm not willing to tackle; my tooling focus is on containers, Kubernetes, and cloud. I'm a big voice in many open-source projects.

Experience

Boost Insurance

Vice President of Infrastructure and Security & CISO

NEW YORK, NY

September 2023 – Present

Over seeing company-wide security practices and compliance with SOC, ISO and Insurance industry requirements. Overseeing the DevOps Engineering Team, the roll-out of new infrastructure practices, and security practices at the organizational level and the individual contributor level. Working with the Executive Teams to ensure compliance with both State and Federal Security requirements. Also spearheaded our compliance with SOC 2 Type 2 and NYS DFS Part 500. Drove the direction and choice of tools across the organization for all teams and built a procurement and risk assessment practice that all teams adopted. Functioned in the capacity of Chief Information Security Officer, overseeing 50+ security initiatives and projects..

Head of Information Security

August 2023 – September 2024

Improved compliance with SOC, ISO, and Insurance industry requirements, resulting in mitigated risk for the company .. Oversees management and rollout of company-wide security policies and tooling. Working with leadership in a cross-team fashion to make sure that we aren't putting the company at risk or customers information/data at risk. However, we are still maintaining a high rate of development speed. Currently, overseeing the day-to-day operations of the DevOps Engineering team and IT services teams.

Lead DevOps Engineer

October 2021 – August 2023

Enhanced best practices for the company's Infrastructure as Code initiative. Managed the migration off of Terraform to Pulumi for managing the companies infrastructure. Directed and developed the company's security posture leading to certification as SOC Type 1. Asset management for cloud services and local services to devices using JAMF and OTKA. Collaborated with HR to create a streamlined on-boarding and off-boarding process for employee hiring and terminations. Led the development of the security tooling used throughout the company. My team migrated the development teams off Codefresh to GitHub Actions.

Oddball

WASHINGTON, DC

Jul 2020 – October 2021

Lead DevOps Engineer

Working on various Cloud projects for the US Government clients. Building proper AWS GovCloud infrastructure practices.

Poloniex

BOSTON, MA

March 2021 – July 2021

Senior Staff Engineering Manager SRE

Running the day operations of the global SRE team and hiring the rest of the open head count. Working on migration from AWS US-EAST to EU-WEST. Developing a roadmap to be off tooling that was created by Circle Financial and on to Industrial Standard tooling to make it easier to hire SRE's. Worked on migrating and supporting various blockchains across the AWS echo system.

Makerbot Industries

BROOKLYN, NEW YORK

Jul 18 – Jun 20

Director of DevOps Engineering

Working on building a strong DevOps Team that is cross-team functional. Handling hiring of members on the DevOps Team, Software Teams, and Web Teams. Working towards a 100% deployment strategy that is hands-off and allowing for shipment of code not once every 14 days but allowing engineers to ship code multiple times a day. Working with various teams about redefining our IoT strategy and the tooling around that. Also driving kubernetes in multiple clouds but also with multiple edges. I'm also tasked with architecture design for new services from various teams and making sure we are

using the best technology for the use case. Collaborated closely with the product team to ensure focus on measurable features. Engaged with Leadership to develop and define SLO's and transformed them into SLA's for teams accountability.

- Implementing and deploying Kubernetes in multi-cloud with multiple edges.
- Deployment Automation analysis using canaries with Spinnaker
- Leading the switch from in-house build IoT to managed IoT solutions
- Leading us to use and be more Cloud Native by breaking things down to Micro-services
- Developing Architecture plans for existing services for improvements and new services
- Handling the companies budget for Cloud Infrastructure and Cloud Based Services used by Engineering
- Migrated from AWS to GCP with less than 6 hours of downtime of a live infrastructure and reduced cloud operating costs by 78%

Senior Lead DevOps Engineer

Aug '17 – Jul 2018

Working to streamline processes, development of workflows and deployment strategies. Working on migrations from single cloud to multi-cloud with Kubernetes. Leading security and deployment auditing. Working with leadership to make sure we are thinking about deploy-ability and scalability. Working centralize and make more IoT tooling that scalable and usable. Working with tool path and firmware teams make sure we are using the optimum frameworks latest security practices are being followed. Automating systems and working on scaling databases and PHP applications. Worked on moving from AWS to multi-cloud with Google Cloud and AWS. Handling security concerns at the host, printer, and Infrastructure as Code level. Designing an architecture that can live on multiple clouds and scale. Migration off ECS to Kubernetes to make the company agnostic on the cloud provider. Streaming lining deployments to a truly hands-off approach with checks and balances.

- Scaling the infrastructure in AWS/GCP using Kubernetes.
- Implementing and deploying Kubernetes in multi-cloud.
- Deployment Automation and pipelines using CircleCI and Spinnaker.
- Leading the migration from AWS to GCP services and building somethings in multi-cloud
- Implementing Spinnaker and CircleCI for continuous delivery to multiple Kubernetes clusters in multiple clouds.

When I Work

MINNEAPOLIS, MN

Feb '16 – Aug '17

Senior DevOps Engineer

Automating systems and working on scaling databases and PHP applications. Worked on moving off Linode to AWS. Writing various tools and heading up the migration from chef controlled servers per service to Docker control and deployed services. Writing Chef provisioning tools, cookbooks and other utility. Utilized CI/CD tools such as Jenkins to automate deployments of applications developed by developers and deployed infrastructure changes using Chef with CI/CD integration.n. Handled the deployment of SSO for third part tools and centralized logging with Loggly and Logstash. Managing MariaDB Galera Clusters in Multi-AZ and Multi-Region. Handling security concerns at the host and Infrastructure as Code level.

- Utilized Chef-provisioning and contributed to the migration from Chef to Terraform
- Scaling the infrastructure in AWS using terraform and docker
- Implementing Kubernetes in a AWS environment

Symplicity

ARLINGTON, VA

May '09 – Sep '15

Senior Systems Administrator

Worked in a three-man team to manage all servers and networks. Worked closely with cluster file systems such as GPFS and Ibrix. Experience with SAN configurations and lun assignments. Network device configurations such as wireless access points, firewalls, routers, servers and workstations. I handle web application development for status monitoring, Work with a team to plan and development system administration web applications that handle cron job administration, virtual host creation using web services and managing of xen/kvm/vmware hosts, and virtual machine images. Handle Data center services with my team. I manage the companies FreeSwitch PBX server, which I wrote a custom rest api for with complete database driven dial plan. I manage all new server deployments using kickstart and handle configuration deployment with puppet/chef/salt stack. Managing an LXC infrastructure and Datacenter services and deployments.

- Handle datacenter build out and scaling.
- Engineered and developed a VoIP phone system for the use for POTUS for processing faxes.

Please refer to my [Linked-in profile](#) for a more complete list of work experiences along with recommendations.

Education

Rochester Institute of Technology	ROCHESTER, NEW YORK
Bachelor degree in Information Technology	2004 – 2007
Focused on open source technologies and their effects on large scale deployments, and the semantic web technology stack. Wrote a lot of FreeBSD ports from Linux projects.	

Central Maine Community College	AUBURN, MAINE
AA/AS Computer Technology	2003 – 2004

Skills

Technical expertise: Software design and implementation, with(in) a team. Big fan of Agile methodologies (Scrum and Kanban), automated deployment (Capistrano) and continuous integration (Hudson/Jenkins/Spinnaker). Enjoys writing Ruby/Python/C++, yet flirts regularly with go lang. Solid knowledge of web technologies: HTML+CSS, XML, RDF, REST, SOAP. Linux administration skills: Bash, Apache, MySQL, PostgreSQL, virtualization/cloud (Vagrant, OpenVZ, VMware, KVM, Xen and EC2, Google Cloud), datacenter automation (Ansible and Chef), Nginx, spinnaker, Kubernetes, Docker, GoLang, Cloud Native.

Interests

Non-exhaustive and in alphabetical order: art, cryptography, Go (board game), history, music, open source, philosophy, being community focused and giving back to the community which I volunteer in, Fire Fighting.